CentreCOM® FS900M Series

LAYER 2 FAST ETHERNET ACCESS SWITCHES

Allied Telesis CentreCOM FS900M Series Fast Ethernet access switches are cost-effective and fully managed. FS900M Series switches deliver flexible uplink connectivity with one combo port (10/100/1000T and SFP slot) on the 8- and 16-port models and two combo ports on the 24-port model.

CentreCOM FS900M Series switches feature quiet operation with a compact, fanless model. All models feature an extended temperature range from 0-50°C. The CentreCOM FS900M Series is ideal for small offices and enterprises with the need for segmented and managed network communication with minimal investment.

Key Features

- Supports up to 50°C extended temperature
- Fanless design for quiet operation
- Tagged VLAN, port-based VLAN, and Multiple VLAN
- Easy network management
  - Manage the network remotely with Telnet, PING, SNMP, and Trap.
  - Web-based graphical user interface for simplified administration.
  - Update firmware and configuration via TFTP/FTP/HTTP.
- Loopguard provides active protection against cabling loops with optional notification via SNMP traps and automatic disabling of looped port
- Tri Authentication: Any one physical port can support a combination of IEEE 802.1X, MAC, and Web Authentication. Individual port configuration does not have to be set based on the authentication method on the connected device.
- IGMP v2 / MLD v2 Snooping: Limits the flooding of multicast traffic by dynamically configuring L2 interfaces so that multicast traffic is forwarded to only those interfaces associated with IP multicast address.
- EPSR-Aware: The FS900M can be connected in an EPSRing™ as a transit node. Upon network failure, fault detection and route change are performed promptly, minimizing down time.

Specifications

Port Configuration

Ports 10/100T (RJ-45 Connector)
- AT-FS909M × 8
- AT-FS917M × 16
- AT-FS926M × 24
  - Auto-Negotiation
  - Auto MDI/MDI-X
  - MDI/MDI-X Manual Configuration
  - Full Duplex/Half Duplex Manual Configuration (only on 10/100Mbps mode)

Combo port (SFP slot and 10/100/1000T)
- AT-FS909M × 1
- AT-FS917M × 1
- AT-FS926M × 2

RS-232

Cable Specifications

10T	UTP Category 3 or better
100T	UTP Category 5 or better
1000T	UTP Enhanced Category 5 or better

Ethernet Specifications

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3z 1000BASE-SX/LX
IEEE 802.3ah1000BASE-BX10
IEEE 802.3x Flow Control
IEEE 802.3ad Link Aggregation Manual Configuration
IEEE 802.1D Spanning-Tree STP Compatible
IEEE 802.1Q VLAN Tagging
IEEE 802.1X Port-Based Network Access Control
IEEE 802.1p Class of Service, priority protocol
IEEE 802.1w Rapid Spanning-Tree

Supported Features

VLAN (Port-based/IEEE 802.1Q Tagging)
Multiple VLAN
Spanning-Tree (IEEE 802.1 D STP Compatible/IEEE 802.1 w/ IEEE 802.1s)
QoS (IEEE 802.1p/Diffserv)
IEEE 802.1x Authentication (Single Host/Multiple Host/ Multiple Authentication)
IEEE 802.1x Encryption Mode (MD5/TLS/TTLS/PEAP)
Dynamic VLAN
MAC Address-based Authentication
Web Authentication
Supplicant MAC Authentication
EPSR-Aware
Port Trunking (IEEE 802.3ad Manual Configuration)
Port Mirroring
Port Security
Flow Control
Packet Storm Protection
Loop Guard (LDF Detection/Ingress Rate Detection)
Ingress Filtering
HoL Blocking Prevention
IGMP v2 Snooping
MLD v2 Snooping
BPDU/EAP Forwarding
Access Filter
DHCP Client
RADIUS Authentication
Logging
Script
SNTP
Statistics display
Download firmware and configuration by TFTP/Zmodem/ HTTP

Management

SNMP	SNMP v1, SNMP v2c
SNMP MIB	MIB II (RFC1213), Ethernet MIB(RFC2665) Extended Interface MIB(RFC2863 [if X Entry]) Bridge MIB(RFC1493) Private MIB
Terminal	Telnet, VT100 (via Console), Web GUI (via HTTP, requires Internet Explorer)

Environmental Specifications

Operating temperature: 0°C to 50°C (32°F to 122°F)
Storage temperature: -20°C to 60°C (-4°F to 140°F)
Operating humidity: 5% to 80% non-condensing
Storage humidity: 5% to 95% non-condensing

Physical Characteristics

Dimensions (W × D × H):

AT-FS909M	26.3 cm × 17.9 cm × 3.8 cm (10.35 in × 7.05 in × 1.5 in)
AT-FS917M	26.3 cm × 17.9 cm × 3.8 cm (10.35 in × 7.05 in × 1.5 in)
AT-FS926M	34.1 cm × 21 cm × 4.4 cm (13.42 in × 8.26 in × 1.7 in)

Weight:

AT-FS909M	1.3 kg (2.86 lbs)
AT-FS917M	1.4 kg (3.08 lbs)
AT-FS926M	2.1 kg (4.63 lbs)

Performance		AT-FS909M	AT-FS917M	AT-FS926M
SWITCHING MODE		Store and Forward		
MAXIMUM PACKET FORWARDING RATE (ENTIRE UNIT/64 BYTE)		2.68Mpps	3.87Mpps	6.55Mpps
SWITCHING FABRIC		5.6Gbps	8.2Gbps	8.8Gbps
MEMORY	Flash	8MB		
	Main Memory	32MB		
FDB ENTRY		8K (Maximum)		
NUMBER OF VLANS		256 (VID=1 ~ 4,094)		

Power Specifications	AT-FS909M	AT-FS917M	AT-FS926M
RATED INPUT VOLTAGE	100–240V AC		100–120V AC
RATED FREQUENCY	50/60Hz		
RATED INPUT CURRENT	0.2A	0.3A	0.3A
MAXIMUM INPUT CURRENT (ACTUAL MEASURED VALUE)	0.17A	0.19A	0.26A
AVERAGE POWER CONSUMPTION	7.4W (Max 11W)	9.1W (Max 13W)	12W (Max 16W)

Safety and Electromagnetic Emissions Certifications
EMI :VCCI Class A
Safety Standards: UL60950-1, CSA-C22.2 No. 60950-1
EU RoHS Compliant

Package Description
AT-FS9XXM switch
120V AC power cord
Install Guide and CLI user's guide available at alliedtelesis.com

Ordering Information

FS900M Fast Ethernet Access Switches

AT-FS909M-xx
8 × 10/100T ports
1 × Combo port (10/100/1000T or 100/1000FX port)
1 standard AC power supply in a compact form factor

AT-FS917M-xx
16 × 10/100T ports
1 × Combo port (10/100/1000T or 100/1000FX port)
1 standard AC power supply in a compact form factor

AT-FS926M-xx
24 × 10/100T ports
2 × Combo port (10/100/1000T or 100/1000FX port)
1 standard AC power supply in a compact form factor

Where xx =
10 for US power cord
20 for no power cord
30 for UK power cord
40 for Australian power cord
50 for European power cord

Accessories

AT-RKMT-J05
19 inch rack mount kit for AT-FS909M and AT-FS917M

Small Form Pluggable Optics Modules

AT-SPSX
SFP, MMF, 1000Mbps, 220 / 500 m, 850 nm, LC

AT-SPLX10
SFP, SMF, 1000Mbps, 10 km, 1310 nm, LC

AT-SPLX40
SFP, SMF, 1000Mbps, 40 km, 1310 nm, LC

AT-SPZX80
SFP, SMF, 1000Mbps, 80 km, 1550 nm, LC

AT-SPBD10-13
SFP, SMF, 1000Mbps, 10 km, 1310/1490 nm, LC-BiDi

AT-SPBD10-14
SFP, SMF, 1000Mbps, 10 km, 1490/1310 nm, LC-BiDi

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